

Message

From: Bill Betters [bbetters@cdwconsultants.com]
Sent: 12/22/2016 5:03:07 PM
To: Kipka, Undine [kipka.undine@epa.gov]
CC: Houlihan, Damien [houlihan.damien@epa.gov]; Vakalopoulos, Catherine (DEP) [catherine.vakalopoulos@state.ma.us]; Nerden, Joseph (DEP) [joseph.nerden@state.ma.us]; COUTU Clary [clary.coutu@keoliscs.com]; Kearney, Janis [JKearney@MBTA.com]; Marian Rambelle [mrambelle@cdwconsultants.com]
Subject: RE: MBTA CRMF (MA0003590) - Response to request for monitoring changes
Attachments: Fig 1 - prop. metering locations DMH 13.4.pdf

Hello Undine,

I received your voice mail and in advance of talking, I thought it would be useful to add this information to the discussion. As a follow-up, we revisited the Site on Tuesday and have some thoughts on the meter placement that may be helpful. It appears that installing 3 meters at the outlet pipes on the downstream side of 13.4 will require substantial structural modification to the top of the vault. It will also result in the addition of two new manhole risers terminating in the roadway. However, the 4 upstream locations as indicated on the plan appear easier for both installation and routine accessibility. Look forward to talking with you.

Best,
Bill Betters

William J. Betters, P.G., L.S.P.
Director of Environmental Services

CDW CONSULTANTS, INC.
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From: Bill Betters
Sent: Monday, December 19, 2016 3:23 PM
To: 'Kipka, Undine' <kipka.undine@epa.gov>
Cc: Houlihan, Damien <houlihan.damien@epa.gov>; Vakalopoulos, Catherine (DEP) <catherine.vakalopoulos@state.ma.us>; Nerden, Joseph (DEP) <joseph.nerden@state.ma.us>; COUTU Clary <clary.coutu@keoliscs.com>; Kearney, Janis <JKearney@MBTA.com>; Marian Rambelle <mrambelle@cdwconsultants.com>
Subject: RE: MBTA CRMF (MA0003590) - Response to request for monitoring changes

Hello Undine,

Thank you for the December 16, 2016 approval letter for NPDES permit number MA0003590. I'd like to gain some clarification on the requirements for flow metering. The approval letter cites the permit requirements for metering prior to comingling. However, it appears that the recommendation is to meter the outfall pipes where they connect to

Chamber 13.4, which will be after comingling. Are we to forgo the requirement of each co-permittee to meter flow and install the meters at the alternate location as indicated on the attached plan? Or should we install meters in upstream locations prior to comingling? Thank you in advance for your input.

Best,
Bill Betters

William J. Betters, P.G., L.S.P.
Director of Environmental Services

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From: Kipka, Undine [<mailto:kipka.undine@epa.gov>]
Sent: Friday, December 16, 2016 4:17 PM
To: Bill Betters <bbetters@cdwconsultants.com>
Cc: Houlihan, Damien <houlihan.damien@epa.gov>; Vakalopoulos, Catherine (DEP) <catherine.vakalopoulos@state.ma.us>; Nerden, Joseph (DEP) <joseph.nerden@state.ma.us>; COUTU Clary <clary.coutu@keoliscs.com>; Kearney, Janis <JKearney@MBTA.com>; Marian Rambelle <mrambelle@cdwconsultants.com>
Subject: MBTA CRMF (MA0003590) - Response to request for monitoring changes

Mr. Betters,

The letter in response to your monitoring change request on behalf of MBTA and Keolis for the MBTA CRMF NPDES permit (MA0003590) is attached to this e-mail. A hard copy of the response will follow. Please let me know if you have any comments or questions in the meantime.

Kind regards,

Undine Kipka
Environmental Engineer
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Boston, MA 02109-3912
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